Emissions Inventory EXAMPLE: Roofing Asphalt

General Process Form - 1999

Permit number(s) _____

1- Process ID _____

2- Process Type/Description: ***Asphalt used for roofing***

3- Stack ID(s) *(only if required on Stack Form)* **NA** _____ _____ _____ _____

4- Process TIER Code: ***080602*** SOLVENT UTILIZATION, NONINDUSTRIAL, OTHER ASPHALT

5- SCC Code **(none)** *(8 digit number)* _____

6- Seasonal Throughput Percent: Dec-Feb _____% Mar-May _____% Jun-Aug _____% Sep-Nov _____%

7- Normal Operating Schedule: Hours/Day _____ Days/Week _____ Hours/Year _____

8- Typical Hours of Operation *(military time)* Start _____ End _____

9- Emissions based on (name of material or other parameter) (e.g. *"rock", "diesel", "vehicle miles traveled"*) ***roofing asphalt***

10- ☒ Used (input) or ☐ Produced (output)

11- Annual Amount *(a number)* _____

12- Unit of Measure *(for example: tons, gallons, 1000 cu ft, acres, units produced, etc.)* ***tons***

13- Unit Conversion Factor *(if needed to convert Unit of Measure to correlate with emission factor units, see Attachment 5)* _____

	Emission Factor (EF) Information					Control Device Information					
14	**15**		**16**	**17**	**18**	**19**	**20**	**21**	**22**	**23**	**24**
Pollutant	Emission Factor (EF) (number)		EF Units (lbs per)	Controlled EF? Yes or No	Calculation Method Code*	Capture% Efficiency	Primary Control Device ID	Secondary Control Device ID	Control Device(s) % Efficiency	Efficiency Reference Code**	Estimated Actual Emissions
VOC	***20***		***ton***	***No***	***6***						lb

How to calculate emissions: *Multiply annual usage (line #11, in tons) × 20 (lbs/ton, column #15) = column #24, Estimated emissions.*
Example: *100 tons of asphalt x 20 lb/ton = 2000 lb of VOC emissions* ***You may use this form for reporting.***

***Calculation Method Codes**
- **1** = Continuous Emissions Monitoring Measurements
- **2** = Best Guess/ Engineering Judgment
- **3** = Material Balance
- **4** = Source Test Measurements (Stack Test)
- **5** = AP-42/ FIRE Method or Emission Factor
- **6** = State or Local Agency Emission Factor
- **7 =** Manufacturer Specifications

****Control Efficiency Reference Codes**
- **1** = Tested efficiency / EPA reference method
- **2** = Tested efficiency / other source test method
- **3** = Design value from manufacturer
- **4** = Best guess / engineering estimate
- **5** = Calculated, based on material balance
- **6 =** Estimated, based on a published value